



POTENTIAL HAZARDOUS WASTE SITE  
SITE INSPECTION REPORT

REGION SITE NUMBER (to be assigned  
by HQ)  
VI TX 02321

**GENERAL INSTRUCTIONS:** Complete Sections I and II through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to the U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME <b>Phillips Petroleum Company</b>	B. STREET (or other identifier) <b>P. O. Box 866</b>		
C. CITY <b>Sweeny</b>	D. STATE <b>Texas</b>	E. ZIP CODE <b>77480</b>	F. COUNTY NAME <b>Brazoria</b>
G. SITE OPERATOR INFORMATION			
1. NAME <b>Larry Childs</b>	2. TELEPHONE NUMBER <b>(409)647-2216</b>		
3. STREET <b>P. O. Box 866</b>	4. CITY <b>Sweeny</b>	5. STATE <b>Texas</b>	6. ZIP CODE <b>77480</b>
H. REAL OWNER INFORMATION (if different from operator of site)			
1. NAME <b>Same as above</b>	2. TELEPHONE NUMBER		
3. CITY	4. STATE	5. ZIP CODE	

I. SITE DESCRIPTION Petrochemical refinery and natural gas liquid processing center with seven inactive components

J. TYPE OF OWNERSHIP

1. FEDERAL  2. STATE  3. COUNTY  4. MUNICIPAL  5. PRIVATE

II. TENTATIVE DISPOSITION (complete this section last)

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.)	B. APPARENT SERIOUSNESS OF PROBLEM
	<input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input checked="" type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE

C. PREPARED INFORMATION

1. NAME <b>Lisa Montgomery</b>	2. TELEPHONE NUMBER <b>(512) 328-0081</b>	3. DATE (mo., day, & yr.) <b>4/8/84</b>
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III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME <b>Lisa Montgomery</b>	2. TITLE <b>Staff Environmentalist</b>	4. TELEPHONE NO. (area code & tow.) <b>(512)329-0081</b>
2. ORGANIZATION <b>Underground Resource Management, Inc. (URM)</b>		

B. INSPECTION PARTICIPANTS

NAME	ORGANIZATION	TELEPHONE NO.
Lisa Montgomery	URM	(512)328-0081
Diane Nichols	URM	(512)328-0081

C. SITE REPRESENTATIVES INTERVIEWED (corporate officials, workers, residents)

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
Larry Childs	Director Envir. Control (409)647-2216	P. O. Box 866, Sweeny Texas 77480
Dani Hunter	Environmental Represent. (409)647-2216	P. O. Box 866, Sweeny Texas 77480

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Continued From Front

III. INSPECTION INFORMATION (continued)			
<b>D. GENERATOR INFORMATION (source of waste)</b>			
1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
Phillips	(409)647-4431	P. O. Box 866, Sweeny Texas	See attached SWR
<b>E. TRANSPORTER/HAULER INFORMATION</b>			
1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED
Rollins Envir.	(409)479-6001	2027 Battleground Rd. Houston, TX	PCB transformer capacitor
<b>F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.</b>			
1. NAME	2. TELEPHONE NO.	3. ADDRESS	
N/A			
G. DATE OF INSPECTION (MM-DD-YY) <del>4-05-84</del>	H. TIME OF INSPECTION <del>6</del>	I. ACCESS GAINED BY: (credentials must be shown in all cases)	J. PERMISSION <input type="checkbox"/> 1. PERMISSION <input type="checkbox"/> 2. WARRANT
<b>J. WEATHER (describe)</b> Partly cloudy; in the 70's			
IV. SAMPLING INFORMATION			
A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.			
1. SAMPLE TYPE	2. SAMPLE TAKEN <input checked="" type="checkbox"/> 1. <input type="checkbox"/> 2. <input type="checkbox"/> 3. <input type="checkbox"/> 4. <input type="checkbox"/>	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
2. GROUNDWATER	None		
3. SURFACE WATER	None		
4. WASTE	None		
5. AIR	None		
6. RUNOFF	None		
7. SPILL	None		
8. SOIL	None		
9. VEGETATION	None		
10. OTHER(specific)	None		
B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, conductivity, PH, etc.)			
1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS	
None taken			

Continued From Page 2

IV. SAMPLING INFORMATION (continued)			
C. PHOTOS		D. PHOTOS IN CUSTODY OR	
<input checked="" type="checkbox"/> A. GROUND <input type="checkbox"/> B. AERIAL		Attached	
C. SITE MAPPED?			
<input checked="" type="checkbox"/> YES, SPECIFY LOCATION OF MAPS		Attached	
E. COORDINATES		F. LONGITUDE deg-min-sec.	
<input type="checkbox"/> LATITUDE (deg-min-sec.) 29° 4' 24"		<input type="checkbox"/> 95° 45' 10"	
V. SITE INFORMATION			
A. SITE STATUS			
<input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently)		<input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.)	
		<input type="checkbox"/> 3. OTHER (specify) Those sites that include such incidents like "abandonment" where no regular or continuing use of the site for waste disposal has occurred.	
B. IS GENERATOR ON SITE?			
<input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify generator's four-digit SIC Code)		2911 3510	
C. AREA OF SITE (in acres)		D. ARE THERE BUILDINGS ON THE SITE?	
		Maintenance shop for each area. <input type="checkbox"/> 1. NO <input checked="" type="checkbox"/> 2. YES (specify) Office, shops, warehouse, laboratory, time clock, change house	
VI. CHARACTERIZATION OF SITE ACTIVITY			
Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.			
<input checked="" type="checkbox"/> A. TRANSPORTER <input checked="" type="checkbox"/> B. STORED <input checked="" type="checkbox"/> C. TREATED <input type="checkbox"/> D. DISPOSED N/A			
1. RAIL      1. PILE      1. FILTRATION      1. LANDFILL 2. SHIP      2. SURFACE IMPOUNDMENT      2. INCINERATION      2. LANDFARM <input checked="" type="checkbox"/> 3. BARGE      3. DRUMS      3. VOLUME REDUCTION      3. OPEN DUMP 4. TRUCK      4. TANK, ABOVE GROUND      4. RECYCLING, RECOVERY      4. SURFACE IMPOUNDMENT 5. PIPELINE      5. TANK, BELOW GROUND      5. CHEM/PHYS/TREATMENT      5. EMULSION SAT DUMPS 6. OTHER (specify):      6. OTHER (specify): One hazardous waste solids tank			
7. OTHER (specify): See attached 3 sites where oily sludge was treated			
E. SUPPLEMENTAL REPORTS. If the site falls within any of the categories listed below, Supplemental Reports must be completed and indicate which Supplemental Reports you have filled out and attached to this form.			
<input type="checkbox"/> 1. STORED <input type="checkbox"/> 2. INCINERATION <input type="checkbox"/> 3. LANDFILL <input checked="" type="checkbox"/> 4. IMPOUNDMENT <input type="checkbox"/> 5. DEEP WELL <input type="checkbox"/> 6. CHEM/BIO/ PHYS TREATMENT <input checked="" type="checkbox"/> 7. LANDFARM <input type="checkbox"/> 8. OPEN DUMP <input type="checkbox"/> 9. TRANSPORTER <input type="checkbox"/> 10. RECYCLING RECOVERY			
VII. WASTE RELATED INFORMATION			
A. WASTE TYPE			
<input checked="" type="checkbox"/> 1. LIQUID <input checked="" type="checkbox"/> 2. SOLID <input checked="" type="checkbox"/> 3. SLUDGE <input type="checkbox"/> 4. GAS Non-hazardous Emulsion from wastewater			
B. WASTE CHARACTERISTICS			
<input type="checkbox"/> 1. CORROSIVE <input checked="" type="checkbox"/> 2. IGNITABLE <input type="checkbox"/> 3. RADIACTIVE <input type="checkbox"/> 4. HIGHLY VOLATILE <input type="checkbox"/> 5. TOXIC <input type="checkbox"/> 6. REACTIVE <input type="checkbox"/> 7. VERT <input type="checkbox"/> 8. FLAMMABLE Oily waste is possibly corrosive due to pH			
C. WASTE CATEGORIES			
1. Are records of wastes available? Specify items such as manifests, inventories, etc. below. Manifests - internal record keeping system with analyses of wastes			

Continued From Front

VII. WASTE RELATED INFORMATION (continued)						
2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.						
a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER	
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
None	See attached	None	See attached	None	None	
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
(1) PAINT, PIGMENTS	X (1) OILY WASTES	(2) HALOGENATED SOLVENTS	(3) ACIDS	(4) FLUIDS	(5) LABORATORY REAGENTS	
(2) METALS SLUDGES	(2) OTHER (specify)	(2) NON-HALOGENATED SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL WASTES	
(3) POTW	(3) OTHER (specify)	(3) CAUSTICS	(3) MINE/TAILINGS	(3) RADIATIVE		
(4) ALUMINUM SLUDGE		(4) PESTICIDES	(4) FERROUS SMELTING WASTES	(4) MUNICIPAL		
(5) OTHER (specify):		(5) DYES/INKS	(5) NON-FERROUS SMELTING WASTES	(5) OTHER (specify)		
		(6) CYANIDE	(6) OTHER (specify)			
		(7) PHENOLS				
		(8) HALOGENS				
		(9) VIRSES				
		(10) HIGH-METALS				
		X (11) OTHER (specify): Catalyst spent lime				
D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE Place in descending order of hazard						
1. SUBSTANCE	2. FORM (mark 'X')	3. TOXICITY (mark 'X')		4. CAS NUMBER	5. AMOUNT	6. UNIT
See attached						
They have reclaimed these areas - they have been dug out and compacted and reclaimed.						
They are now process areas or tanks. The material was hauled to their landfarm.						
VIII. HAZARD DESCRIPTION						
FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.						
A. HUMAN HEALTH HAZARDS						
None						

*Continued From Page 4*

VIII. HAZARD DESCRIPTION (continued)

B. NON-WORKER INJURY/EXPOSURE

None - 24 hour security and roving patrol; fenced

C. WORKER INJURY/EXPOSURE

None

D. CONTAMINATION OF WATER SUPPLY

None

E. CONTAMINATION OF FOOD CHAIN

None

F. CONTAMINATION OF GROUND WATER

Prior to reclamation the wastewater treatment pits were found to have influenced the ground water. 25 to 35-foot monitor wells indicated high conductivity and calcium. The pits were dug out and filled with compacted clay.

G. CONTAMINATION OF SURFACE WATER

None

*Continued From Front*

VIII. HAZARD DESCRIPTION (continued)

— 4. DAMAGE TO FLORA/FAUNA

None

— 5. FISH KILL

None

X 6. CONTAMINATION OF AIR

None: Phillips monitors hydrocarbons around pits and air around landfills for emissions.

X 7. NOTICEABLE ODORS

South pond crystallic odor - sour smell at times; no specific incidents or nuisance situations restricted to on-site

X 8. CONTAMINATION OF SOIL

Oil which soaked into the soil was dug out to clay and more clay compacted in for support of new construction.

— 9. PROPERTY DAMAGE

None

*Continued From Page 6*

VIII. HAZARD DESCRIPTION (continued)

N. FIRE OR EXPLOSION

None

O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

None: Have spill prevention plan

P. SEWER, STORM DRAIN PROBLEMS

None

Q. EROSION PROBLEMS

None

R. INADEQUATE SECURITY

No

S. INCOMPATIBLE WASTES

No: Wastes are separated

VIII. HAZARD DESCRIPTION (continued)

T. MIDNIGHT DUMPING

None

U. OTHER (Specify):

N/A

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE (Specify Units)
1. IN RESIDENTIAL AREAS	1,060	1,060	330	1 mile
2. IN COMMERCIAL OR INDUSTRIAL AREAS	750	750	25	0.5 mile
3. IN PUBLICLY TRAVELED AREAS	5,600	5,600	0	0.5 mile
4. PUBLIC USE AREAS (parks, schools, etc.)	0	0	0	2-3 miles

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER (Specify Unit)	B. DIRECTION OF FLOW	C. GROUNDWATER USE (Specify Unit)
15-20'	Mound area; at the inactive sites it flows southwest	10 on-site, approx. 50 wells
D. POTENTIAL YIELD OF AQUIFER	E. DISTANCE TO DRINKING WATER SUPPLY (Specify Unit of Measure)	F. DIRECTION TO DRINKING WATER SUPPLY
1,600 gpm	ON-SITE	ON-SITE

G. TYPE OF DRINKING WATER SUPPLY

<input type="checkbox"/> 1. NON-COMMUNITY < 15 CONNECTIONS	<input checked="" type="checkbox"/> 2. COMMUNITY (Specify Town) > 15 CONNECTIONS	Phillips community
<input type="checkbox"/> 3. SURFACE WATER	<input checked="" type="checkbox"/> 4. WELL	10 on-site wells + 2 surface reservoirs supplied by the San Bernard.

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X. WATER AND HYDROLOGICAL DATA (continued)					
- LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE					
1. WELL	2. DEPTH (feet/ft. meter)	3. LOCATION (proximity to buildings)	4. HAZARD MONITORING (mark 'X')	5. COM- MUNI- CIPAL WATER SUPPLY (mark 'X')	6. COMM- MUNI- CIPAL WATER SUPPLY (mark 'X')
#10 S 9	160 ft.	On-site		X	
Other on-site wells are not within 1/4 mile of inactive sites.					
7. RECEIVING WATER					
8. NAME	<input type="checkbox"/> 1. SEWERS	<input type="checkbox"/> 2. STREAMS/RIVERS			
Linnville Bayou	<input type="checkbox"/> 3. LAKES/RESERVOIRS	<input checked="" type="checkbox"/> 4. OTHER (specify): Bayou			
9. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS					
Water quality limited. Used for stockwatering and drainage. Unclassified.					
XI. SOIL AND VEGETATION DATA					
LOCATION OF SITE (S.M.):					
<input type="checkbox"/> A. KNOWN FAULT ZONE	<input type="checkbox"/> B. KARST ZONE	<input checked="" type="checkbox"/> C. 100 YEAR FLOOD PLAIN	<input type="checkbox"/> D. WETLAND		
but facility is above flood plain					
<input type="checkbox"/> E. A REGULATED FLOODWAY	<input type="checkbox"/> F. CRITICAL HABITAT	<input type="checkbox"/> G. RECHARGE ZONE OR SOLE SOURCE AQUIFER			
XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED					
Mark 'X' to indicate the types of geological material observed and specify where necessary the component parts.					
X <input type="checkbox"/> A. COVERSURFACE	<input checked="" type="checkbox"/> B. BEDROCK (specify below)	<input type="checkbox"/> C. OTHER (specify below)			
<input type="checkbox"/> 1. SAND					
X <input checked="" type="checkbox"/> 2. CLAY	X Clay				
<input type="checkbox"/> 3. GRAVEL					
XIII. SOIL PERMEABILITY					
<input type="checkbox"/> A. UNKNOWN	<input type="checkbox"/> B. MODERATE (10 to 100 cm/sec.)	<input type="checkbox"/> C. VERY HIGH (100,000 to 1,000 cm/sec.)	<input type="checkbox"/> D. HIGH (1000 to 10,000 cm/sec.)		
		<input type="checkbox"/> E. LOW (1 to 10 cm/sec.)	<input checked="" type="checkbox"/> F. VERY LOW (.001 to .0001 cm/sec.)		
XIV. RECHARGE AREA					
<input type="checkbox"/> 1. YES	<input checked="" type="checkbox"/> 2. NO	3. COMMENTS: Standing water and poor drainage			
XV. DISCHARGE AREA					
<input checked="" type="checkbox"/> 1. YES	<input type="checkbox"/> 2. NO	3. COMMENTS: To bayou			
XVI. SLOPE					
1. ESTIMATE % OF SLOPE	2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.				
0-1%	Towards south slightly west.				
XVII. OTHER GEOLOGICAL DATA					
Fluvial deposits underlain by Beaumont clays.					

*Continued From Front*

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mon, day, year)	E. EXPIRATION DATE (mon, day, year)	F. 4 COMPLIANCE "mark 'X'"
	See list (Attached)				

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

NONE     YES (checkmark in this space)

Someone put aconci or amine into system killing organisms of waste stream so it went septic all the way to creek - cleaned up and built back up ponds.

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition - Section II information on the first page of this form.

RCRA 3012 SITE INSPECTION COMMENTS  
Phillips Petroleum - Sweeny Plant  
Sweeny, Texas  
TX 02321

On April 25, 1984, a site inspection was performed at Phillips Petroleum's Sweeny Plant, Sweeny, Texas. Phillips headquarters are in Bartlesville, Oklahoma.

Larry Childs, director of environmental control, and Dan Hunter, environmental representative, were interviewed by Diane Nichols and Lisa Montgomery. Ms. Montgomery acted as the inspection leader.

Active waste sites were not discussed during the inspection except to delineate which sites were inactive prior to 1980. The TDWR Solid Waste Registration is attached and lists the active sites at the Sweeny Facility. Phillips is in the process of re-registering the tank bottoms. They are from the Freeport Terminal, therefore, the TDWR decided the waste should be listed on the Freeport registration. Missfiling between the Freeport and Sweeny facilities often occurs. The site was identified through State files.

There are seven inactive sites at the Sweeny Plant:

- Alky waste pond #4,
- Markle Lake Tract #5,
- Sludge Pit #5,
- Oil Pit Tract #3,
- FCC Catalyst disposal pond,
- Landfarm Tract #1, and
- Oil pits.

Phillips closed the seven inactive facilities aforementioned to expand the plant process area. The waste material found at the inactive site were hauled to the present active landfarm (East tract). A list of material from each component is attached to this report. The landfarm tract #1 was never used for waste disposal. Phillips had planned to pilot a project at the site to test the possibility of landfarming tank bottoms and oily solids. Due to plant expansions, the pilot program was never begun. Presently, the site is covered by tanks.

Attached are a variety of reports and data supplied by TDWR and Phillips. The ground water in the area remains good and the facility proposes no threat to the ground water. Surface water contamination from the wastewater remains as a low potential due to the history of non-compliant discharges to several creeks around the area. The discharge problems have been alleviated due to new wastewater treatment facilities. The Phillips Petroleum-Sweeny Plant is given a low hazard ranking under the RCRA 3012 Program.

## 5.2 Registration and Permit Information

### a. Texas Solid Waste Disposal Act

Registration No. 30048	TDWR
Registration No. 30059	TDWR

### b. Wastewater Disposal under the Texas Water Code

Permit No. 01852	TDWR
Permit No. 00721	TDWR

### c. Underground injection under the Texas Water Code

None

### d. Texas Clean Air Act

Permit No. C-5680	TACB
Permit No. C-5681	TACB
Permit No. C-5682	TACB
Permit No. C-5683	TACE
Permit No. C-5684	TACB
Permit No. C-5685	TACB
Permit No. C-5686	TACE
Permit No. C-5687	TACB
Permit No. C-5688	TACE
Permit No. C-5689	TACE
Permit No. C-5690	TACB
Permit No. C-5920	TACB
Permit No. C-5679	TACE
Permit No. C-7324	TACE
Permit No. R-1514	TACB
Permit No. R-1313	TACB
Permit No. R-1314	TACB
Permit No. R-1496	TACB
Permit No. C-3073	TACB
Permit No. C-6402	TACE
Permit No. C-6584	TACE
Permit No. C-7467	TACE
Permit No. C-6624	TACE
Permit No. R-3040	TACB
Permit No. R-4171	TACB
Permit No. C-4171	TACE
Permit No. C-7754	TACE

2-7-29

### e. Texas Uranium Surface Mining and Reclamation Act

None

f. Texas Surface Coal Mining and Reclamation Act

None

g. Hazardous Waste Management program under the Resource Conservation and Recovery Act

None

h. UIC program under the Safe Drinking Water Act

None

i. NEDES program under the Clean Water Act

Permit No. TX0007536	EPA
Permit No. TX0029726	EPA
Permit No. TX0007528	EPA

j. PSD program under the Clean Air Act

PSD-TX-103	EPA
PSD-TX-40	EPA

k. Nonattainment program under the Clean Air Act

None

l. National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the Clean Air Act

None

m. Ocean dumping permits under the Marine Protection Research and Sanctuaries Act

None

n. Dredge or fill permits under Section 404 of the Clean Water Act

None

o. Other relevant environmental permits

Oil and Gas Docket No. 3-67,562	TRC for brine disposal at Clemens Terminal
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L. P. #	COMPONENT	AREA IN ACRES	VOLUME cu. yds.	WASTE TYPE	STATUS	PERIOD
1	alky waste pond 4	1.9	33,000/ cu. yds.	Hydrofluoric acid from alky neutraliza- tion process.	Area has been re- claimed and is used as a process area; in waste water treatment area.	52-78
2	Minkle Lake Tract 5	24.4	367,750/ cu. yds.	Storage of water treatment lime sludge.	Area has been re- claimed and is used as a process area.	60-78
3	Sludge Pit #5	.9	14,914/ cu. yds.	Storage of bio-waste	Area has been re- claimed and is used as a process area.	55-80
4	Oil Pit Tract #3	3.0	17,021/ cu. yds.	Oily waste	Area has been re- claimed and is now under a tank.	57-78
5	FCC Catalyst Disposal Pond	.5	3,703/ tons	Used to store fluids from catalytic crack- ing unit.	Area has been re- claimed and is used as a process area.	70-80
6	Landfarm Tract #1	7.6	Unused	Was to be used as a pilot project to see if land-treatment were possible for the disposal of oily solids & tank bottoms	Never used.	79
7	Oil Pits	2.0	720,000/ cu. yds.	Three small pits were incorporated into one; approximately 25% of the oil has been removed, the rest of the sludge was taken to the landfarm site for disposal.	Area has been re- claimed and is currently under an access road.	79

30048

TEXAS DEPARTMENT OF WATER RESOURCES  
NOTICE OF REGISTRATION  
INDUSTRIAL SOLID WASTE GENERATION/DISPOSAL

06-02-82

THIS IS NOT A PERMIT AND DOES NOT CONSTITUTE AUTHORIZATION  
OF ANY DISPOSAL FACILITIES LISTED BELOW. REQUIREMENTS FOR  
SOLID WASTE MANAGEMENT ARE PROVIDED BY CHAPTER 22, RULES  
OF THE TEXAS DEPARTMENT OF WATER RESOURCES.

DATE OF NOTICE: 06-03-82

REGISTRATION NUMBER: 30048

THIS NUMBER IS TO PROVIDE ACCESS TO STORED INFORMATION  
PERTAINING TO YOUR OPERATION. PLEASE REFER TO THIS NUMBER  
IN ANY CORRESPONDENCE OR REPORTS.

REGISTRATION DATE: 07-27-76

STATUS: ACTIVE

COMPANY NAME: PHILLIPS PETROLEUM CO.

MAILING ADDRESS:

P O BOX 866

SWEENEY, TEXAS

77480

GENERATING SITE LOCATION: 3.5 MILES NORTHWEST OF SWEENEY, TEXAS

PERSON IN CHARGE: LARRY N. CHILDS

PHONE: (713) 647-4431

NUMBER OF EMPLOYEES: 1,000-4,999

TOWR DISTRICT: 07

I. WASTE GENERATED:

WASTES	CLASS	CODE	DISPOSITION
001 PLANT REFUSE, GENERAL MISC.	II	279760	ON-SITE
002 BAUXITE	I	170810	ON-SITE
003 API SEPARATOR BOTTOMS	I	150050	ON-SITE
004 LIME, CALCIUM CARBONATE (CACO <sub>3</sub> )	I	170030	ON-SITE
005 WASTEWATER TREATMENT SLUDGE CO NTAINS HEAVY METALS	I	149270	ON-SITE
006 CATALYST, SPENT	II	270210	ON-SITE

JUL 04 1982

## NOTICE OF REGISTRATION (CONTINUED)

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REGISTRATION NUMBER: 30046  
COMPANY NAME: PHILLIPS PETROLEUM CO.

WASTES	CLASS	CODE	DISPOSITION
G07 TANK BOTTOMS/STILL BOTTOMS	I	150060	ON-SITE
G08 LIME TREATMENT SLUDGE	II	240170	ON-SITE
G09 COOLING TOWER SLUDGE	I	140290	ON-SITE
G10 CAUSTIC WASTES, SPENT	I	100630	OFF-SITE/SOLD FOR RECYCLING/SANITARY SEWER
G11 BIOLOGICAL SLUDGE, INDUSTRIAL WASTEWATER TREATMENT	I	149890	ON-SITE
G12 DAF UNIT: FLOAT SKIM & BOTTOMS	I	150400	ON-SITE
G13 HEAT EXCHANGER BUNDLE SLUDGE	I	141350	ON-SITE
G14 SLOP OIL EMULSION SOLIDS	I	151570	ON-SITE
G15 ALUMINUM CHLORIDE WASTEWATER	I	100870	ON-SITE
G16 CATALYST, REACTIVE	I	107890	ON-SITE/SANITARY SEWER
G17 METHANOL (ALCOHOL)	I	111080	ON-SITE
G18 DEGREASER	I	110130	ON-SITE
G19 ACID, HYDROFLUORIC	I	100800	ON-SITE
G20 AMINES	I	113180	ON-SITE
G21 SOUR WATER WITH H2S, PHENOLS, AND NH3	I	107830	ON-SITE/SANITARY SEWER
G22 WATER TREATMENT CHEMICALS	I	113140	ON-SITE
G23 PROCESSING CHEMICAL ADDITIVES, MISC	I	103160	ON-SITE
G24 INSULATION CONTAINING ASBESTOS	I	179390	ON-SITE

II. SHIPPING/REPORTING: NOT APPLICABLE

NOTICE OF REGISTRATION (CONTINUED)

PAGE D3

REGISTRATION NUMBER: 30048  
COMPANY NAME: PHILLIPS PETROLEUM CO.

III. ON-SITE WASTE MANAGEMENT FACILITIES:

FAC NO	FACILITY
01	LANDFILL DISPOSAL OF WASTE(S) NUMBER(S) 001
02	LANDFILL DISPOSAL OF WASTE(S) NUMBER(S) 001 002 006 024
03	LANDFARM DISPOSAL OF WASTE(S) NUMBER(S) 003 004 005 006 007
04	LAGOON/POND STORAGE OF WASTE(S) NUMBER(S) 004 005 006
05	LAGOON/POND STORAGE OF WASTE(S) NUMBER(S) 004 005 006
06	LANDFARM DISPOSAL OF WASTE(S) NUMBER(S) 003 007 009 022 023
07	SUMP STORAGE OF WASTE(S) NUMBER(S) 017 020
08	LAGOON/POND STORAGE OF WASTE(S) NUMBER(S) 006
09	LAGOON/POND STORAGE OF WASTE(S) NUMBER(S) 004 019
10	LAGOON/POND STORAGE OF WASTE(S) NUMBER(S) 003 005 007
11	TANK (SURFACE) STORAGE OF WASTE(S) NUMBER(S) 003 005 007
12	LANDFARM DISPOSAL OF WASTE(S) NUMBER(S) 003 005 007 009 011 012 013 014 015 018
13	LAGOON/POND STORAGE OF WASTE(S) NUMBER(S) 008

NOTICE OF REGISTRATION (CONTINUED)

PAGE 04

REGISTRATION NUMBER: 30048  
COMPANY NAME: PHILLIPS PETROLEUM CO.

FAC NO	FACILITY
--------	----------

14 WASTE TREATMENT FACILITY  
STORAGE  
OF WASTE(S) NUMBER(S) 016 021

FACILITIES ARE LOCATED ON PROPERTY OWNED AND/OR EFFECTIVELY CONTROLLED  
BY PHILLIPS PETROLEUM CO.  
AT 3.5 MILES NORTHWEST OF SWEENEY, TEXAS  
COUNTY OF BRAZORIA  
IN SEGMENT 1301 OF BASIN: BRAZOS-COLORADO COASTAL BASIN

IV. RECORDS.

A. FOR PURPOSES OF FILING ANNUAL REPORTS PURSUANT TO CHAPTER 22  
OF THE RULES OF THE TWR, RECORDS SHOULD BE MAINTAINED FOR  
STORAGE, PROCESSING AND/OR DISPOSAL OF THE FOLLOWING WASTES  
LISTED IN PART I:

001 279760 PLANT REFUSE, GENERAL MISC.  
002 170810 BAUXITE  
003 150050 API SEPARATOR BOTTOMS  
004 170030 LIME, CALCIUM CARBONATE(CACO<sub>3</sub>)  
005 149270 WASTEWATER TREATMENT SLUDGE CO  
NTAINS HEAVY METALS  
006 270210 CATALYST, SPENT  
007 150060 TANK BOTTOMS/STILL BOTTOMS  
008 240170 LIME TREATER SLUDGE /  
009 14C290 COOLING TOWER SLUDGE  
011 149890 BIOLOGICAL SLUDGE, INDUSTRIAL  
WASTEWATER TREATMENT  
012 150400 DAF UNIT: FLOAT SKIM & BOTTOMS  
013 141350 HEAT EXCHANGER BUNDLE SLUDGE  
014 151570 SLOP OIL EMULSION SOLIDS  
015 100870 ALUMINUM CHLORIDE WASTEWATER

NOTICE OF REGISTRATION (CONTINUED)

PAGE 05

REGISTRATION NUMBER: 3CG4B  
COMPANY NAME: PHILLIPS PETROLEUM CO.

016 107890 CATALYST, REACTIVE  
017 111080 METHANOL (ALCOHOL)  
018 110130 DEGREASER  
019 100800 ACID, HYDROFLUORIC  
020 113180 AMINES  
021 1G7830 SOUR WATER WITH H<sub>2</sub>S, PHENOLS,  
AND NH<sub>3</sub>  
022 113140 WATER TREATMENT CHEMICALS  
023 103160 PROCESSING CHEMICAL ADDITIVES,  
MISC  
024 179390 INSULATION CONTAINING ASBESTOS

- B. PROOF OF RECORDATION IN THE COUNTY DEED RECORDS, AS REQUIRED BY CHAPTER 22 OF THE RULES OF THE TOWR, SHOULD BE SUBMITTED TO THE EXECUTIVE DIRECTOR FOR THE FOLLOWING FACILITIES LISTED IN PART III IN ACCORDANCE WITH THE FOLLOWING SCHEDULES:

NEW FACILITIES - PRIOR TO INITIATION OF  
DISPOSAL OPERATIONS.

EXISTING FACILITIES - AS SOON AS POSSIBLE, BUT NO  
LATER THAN SIXTY (60) DAYS FROM  
THE DATE OF THIS NOTICE, UNLESS  
PREVIOUSLY SUBMITTED.

FAC NO	FACILITY	STATUS	DATE
01	LANDFILL	ACTIVE	09/76
02	LANDFILL	ACTIVE	09/76
03	LANDFARM	ACTIVE	09/76
06	LANDFARM	ACTIVE	04/79
12	LANDFARM	ACTIVE	09/80

LAST  
ATTACHMENT  
6-02-82

JUN 04 1982

MORRIS R.M.  
KLEMT W.B.

**Texas Department of Water Resources**  
**INTEROFFICE MEMORANDUM**

**TO :** Bob Silvers, Chief, and Ray Newton, Engineer,  
Wastewater Section, Permits Division      **DATE:** December 3, 1983  
**THRU :** Bill Klem, Chief, Underground Injection Control Section, Permits Division

**FROM :** Bob Morris, Geologist, Underground Injection Control Section,  
Permits Division  
**SUBJECT:** Application No. 30936, Amendment to Permit No. 00721  
Phillips Petroleum Company  
Garza County

We have reviewed the subject application to determine if there may be a detectable hazard to ground-water quality as a result of the applicant's proposal. A ground-water evaluation has previously been conducted by the Ground Water Division of the Texas Water Development Board filed January 23, 1979, and they concluded that the operation was not a hazard to ground-water quality. Our review of the Amendment indicated that the subject proposal to authorize an intermittent discharge of storm runoff and boiler blowdown will not alter the facilities in such a way as to cause any significant change in ground-water implications. The conclusion of the previous evaluation that the proposed facilities present no hazard to the quality of ground water in the area remains valid.

Bob Morris

Bob Morris  
Attachment

Attachment II

SWEENEY REFINERY LANDFARM SOIL SAMPLES

Sample Date: September 12, 1979

	<u>No Oil Added</u>	<u>Oil Added</u>
pH	7.7	7.6
Lime Requirement to pH 6.5	0	0
Cation Exchange Capacity, meq/100 g soil	36.7	34.7

Stack 5.3.82 Stack 5.3.82

UFS: 14-2

30048



**PHILLIPS PETROLEUM COMPANY**  
Sweeny Refinery and Petrochemical Complex  
P.O. Box 866  
Sweeny, Texas 77480

Subject: Landfill Soil  
Samples

July 26, 1983

Mr. Jay Snow  
Texas Department of Water Resources  
P.O. Box 13087 Capitol Station  
Austin, Texas 78711

Dear Mr. Snow:

Attached are results of soil sampling conducted by Phillips Petroleum Company's Sweeny Refinery and Petrochemical Complex. These samples were collected to demonstrate that all hazardous residues have been removed from the new Class II and III landfill constructed on a portion of the former landfarm (Facility No. 06). A partial closure plan for Facility No. 06 was submitted to your office on June 14, 1983.

Identification of the attached results is as follows:

Sample No. 1 - Sample from compacted clay liner in the bottom of the landfill.

Sample No. 2 - Sample from the south side bank of the landfill.

Sample No. 3 - Sample from the diversion levee surrounding the landfill.

As can be seen from the analytical results, no hazardous residues remain in the landfill.

Your prompt approval of the partial closure of the landfarm and use of the new landfill will be greatly appreciated.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

L. N. Childs

L. N. Childs, Director  
Environmental Control

LNC/DFH/vb  
Attachments



Laboratory L - Et Division  
900 Gemini Avenue  
Houston, TX 77058

REMIT TO:  
900 Gemini Avenue  
Houston, TX 77058  
713-486-1810

### LAB ANALYSIS REPORT

CLIENT NAME: PHILLIPS PETROLEUM COMPANY  
ADDRESS: P.O. BOX 800  
SWEENEY, TX 77480

NUS PROJECT NO: 060300  
NUS CLIENT NO: 290117  
NUS SAMPLE NO: 03070278

ATTENTION: J.W. CHILDS

REPORT DATE: 07/20/83

DATE RECEIVED: 07/13/83

SAMPLE IDENTIFICATION: LANDFILL SOIL SAMPLE #1

07/11

TEST	DETERMINATION	RESULTS	UNITS
0140	Chromium, EP ext. (Cr)	< 0.03	mg/l
0200	Lead, EP ext. (Pb)	< 0.05	mg/l
0245	Carbon, total organic (C)	< 0.1	%
0150	C. V. and Grease, Soxhlet	< 1.0	%
0160	pH	8.5	
0910	EP Tox City Extraction		

Comments:

Reviewed and Approved by: [Signature]



Laboratory Services Division  
900 Gemini Avenue  
Houston, TX 77058

REMIT TO:  
900 Gemini Avenue  
Houston, TX 77058

713-468-1810

## LAE ANALYSIS REPORT

CLIENT NAME: PHILLIPS PETROLEUM COMPANY  
ADDRESS: P.O. BOX 260  
SWEENEY, TX 77480

NUS PROJECT NO: 380966  
NUS CLIENT NO: 290109  
NUS SAMPLE NO: 23020279

ATTENTION: L. V. CHILDS

REPORT DATE: 07/20/93

DATE RECEIVED: 07/13/93

SAMPLE IDENTIFICATION: LANDFILL SOIL SAMPLE #2

07/13

TEST	DETERMINATION	RESULT	UNITS
5249	Chromium, EP ext. (Cr)	< 0.03	mg/l
5209	Lead, EP ext. (Pb)	< 0.03	mg/l
5045	Carbon, total organic (C)	< 0.1	%
5132	Oil and Grease, Soxhlet	0.03	%
5150	pH (H2O)	9.5	-
5910	EP Toxicity Extraction	-	-

COMMENTS:

Revised and Retained by: DK



Laboratory Services Division  
900 Gemini Avenue  
Houston, TX 77058

REMIT TO:  
900 Gemini Avenue  
Houston, TX 77058  
713-488-1810

### LAB ANALYSIS REPORT

CLIENT NAME: PHILLIPS PETROLEUM COMPANY

NUS PROJECT NO: 200366

ADDRESS: P.O. BOX 866

NUS CLIENT NO: 296109

SWEENEY, TX 77480

NUS SAMPLE NO: 23073256

REPORT DATE: 07/20/83

ATTENTION: J. N. CHILDS

DATE RECEIVED: 07/13/83

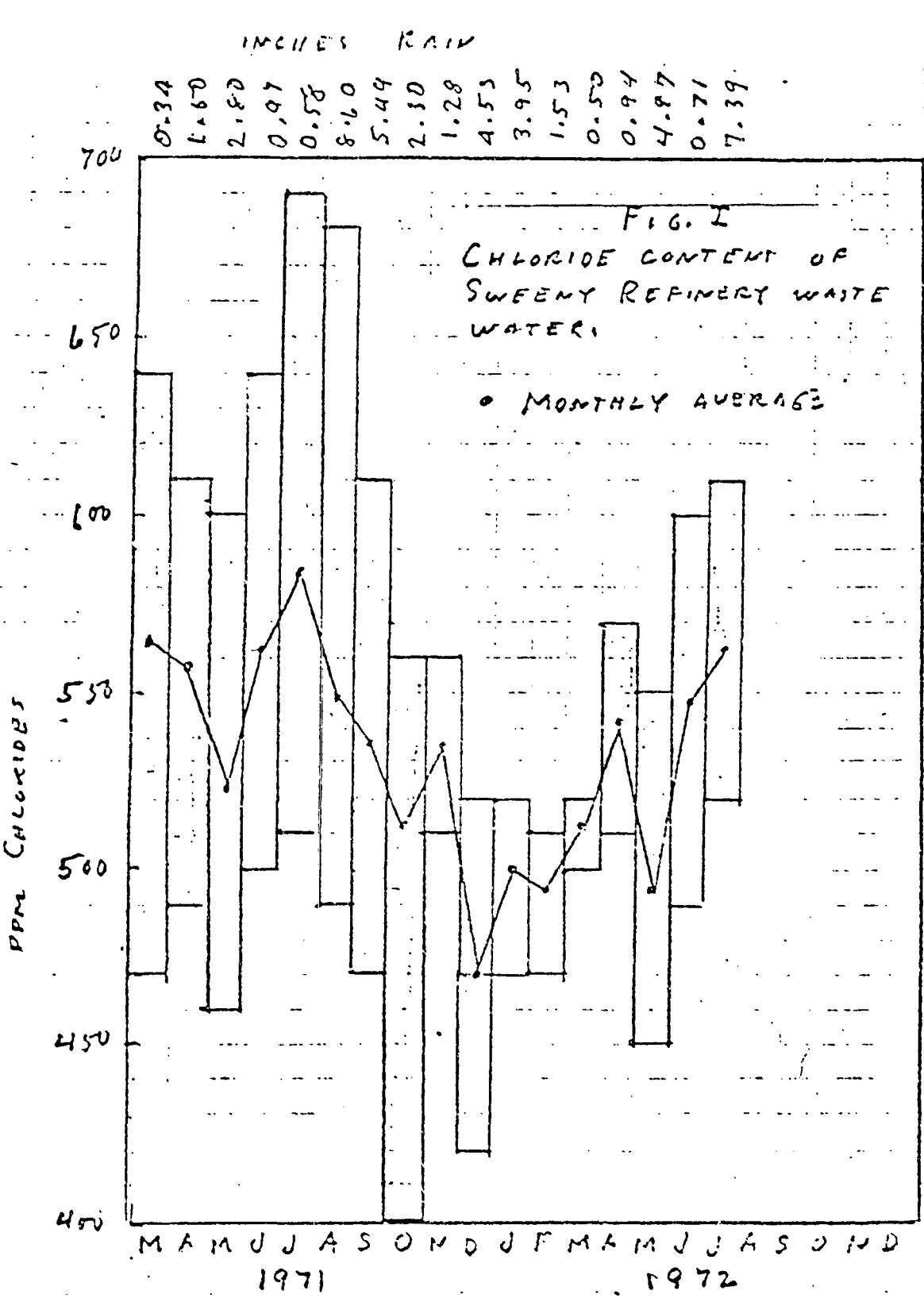
SAMPLE IDENTIFICATION: LANDFILL SOIL SAMPLE #3

07/11

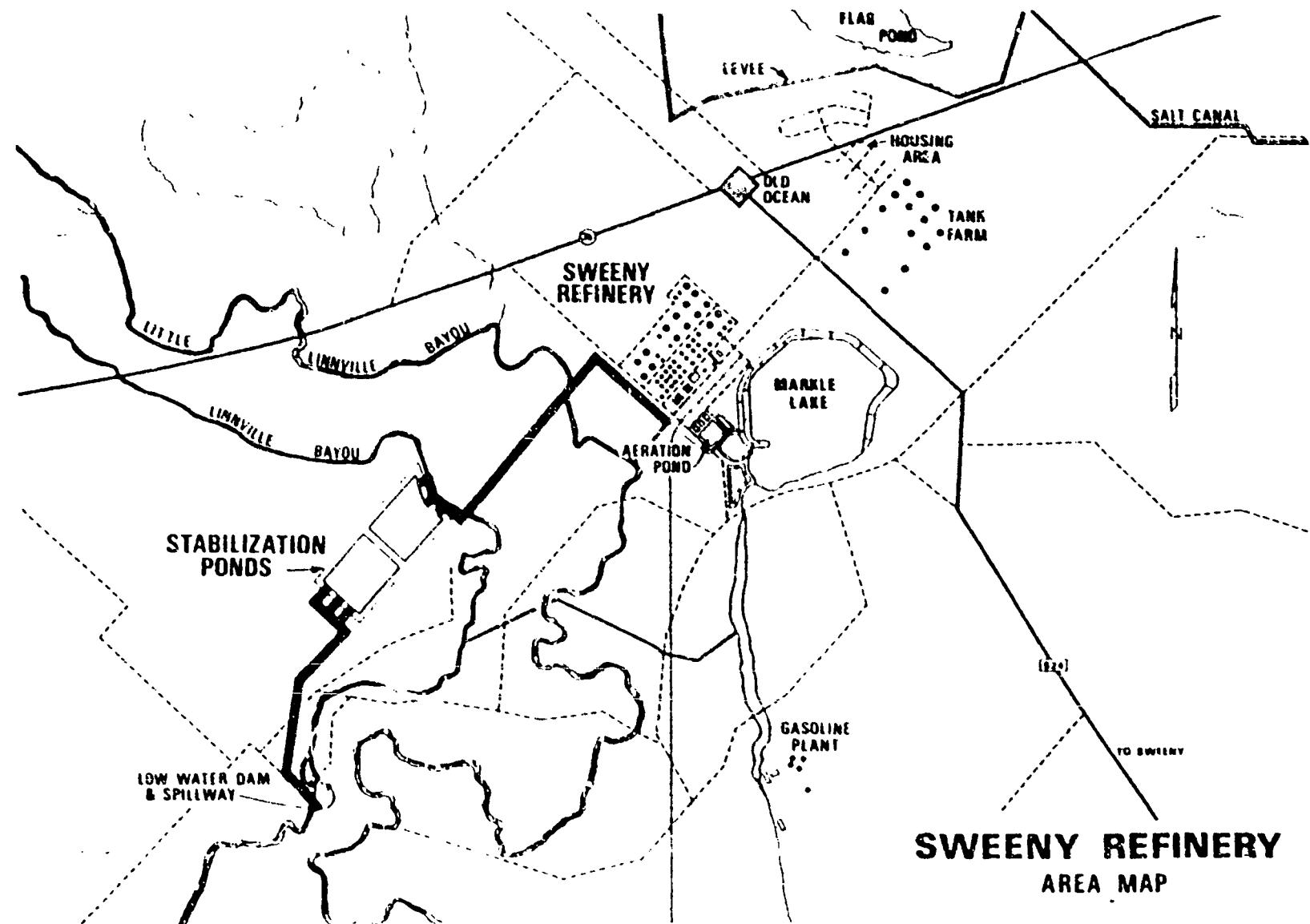
TEST	DETERMINATION	RESULTS	UNITS
-----	-----	-----	-----
M140	Cadmium, EP ext. (Cd)	< 0.03	ug/l
M209	Lead, EP ext. (Pb)	< 0.05	ug/l
S040	Carbon, total organic (C)	< 0.1	%
S135	Oil and Grease, Soxhlet	0.03	%
S150	pH 2:1	8.4	
S910	EP Toxicity Extraction		

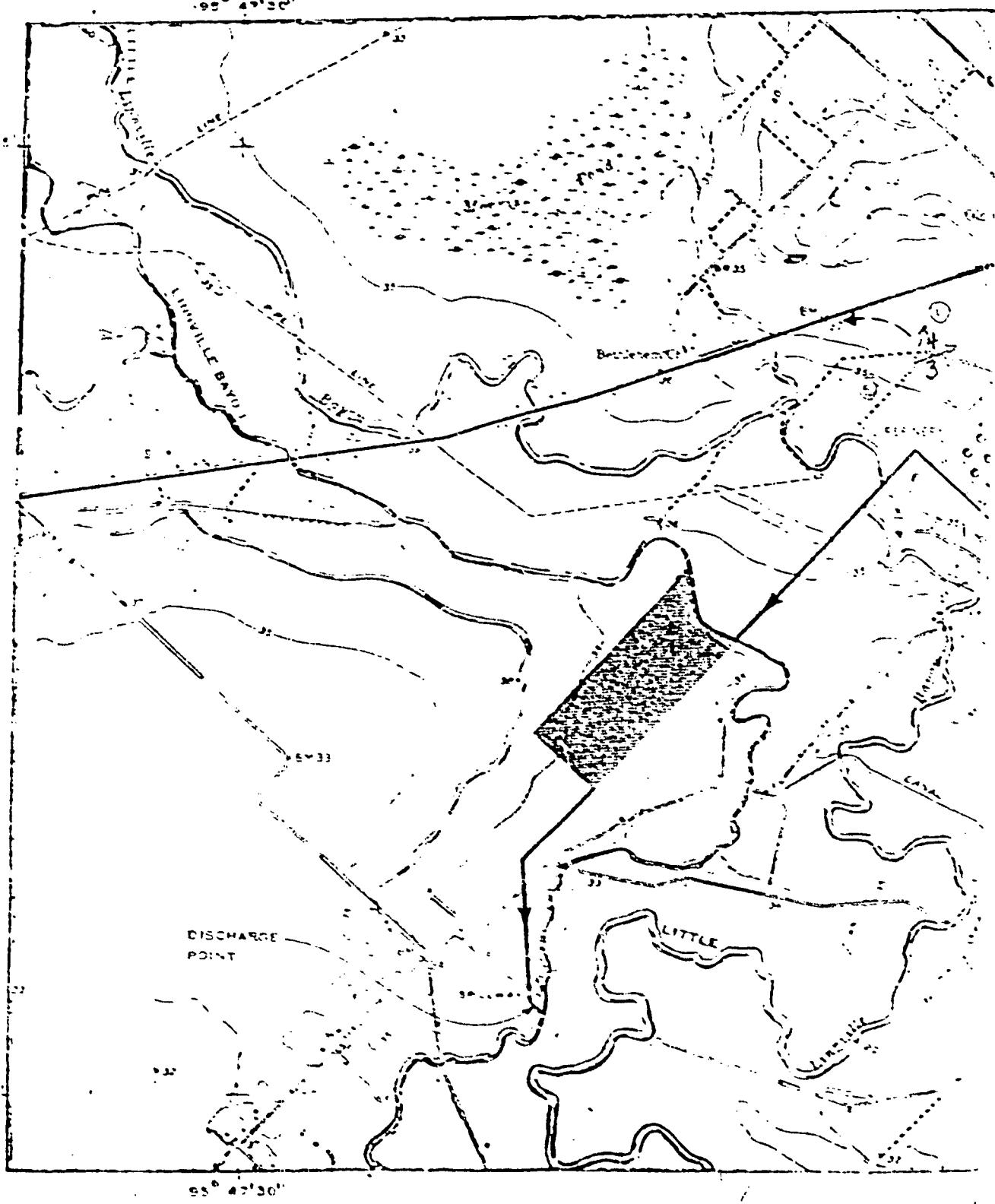
COMMENTS:

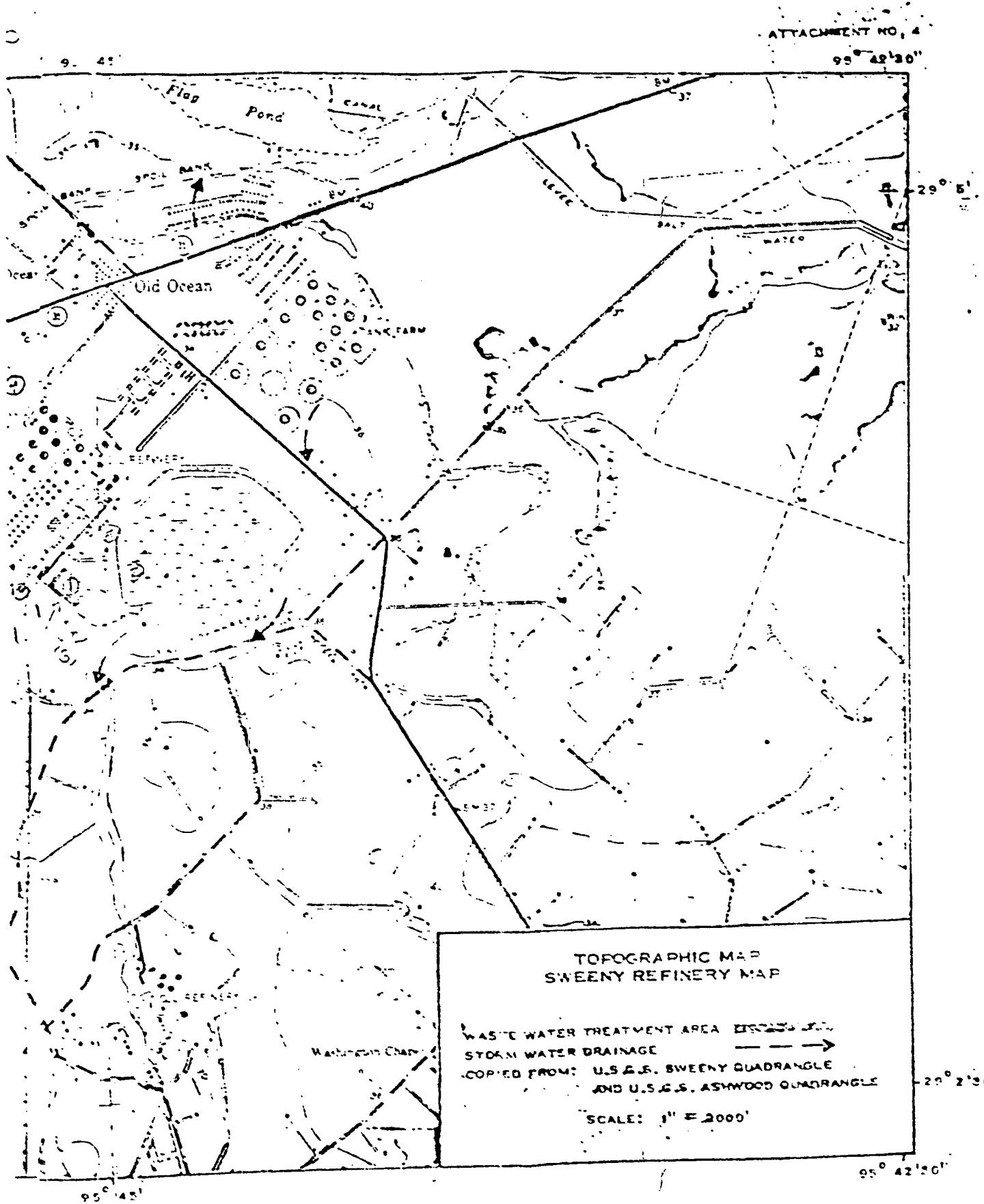
Reviewed and Approved by: Dr.

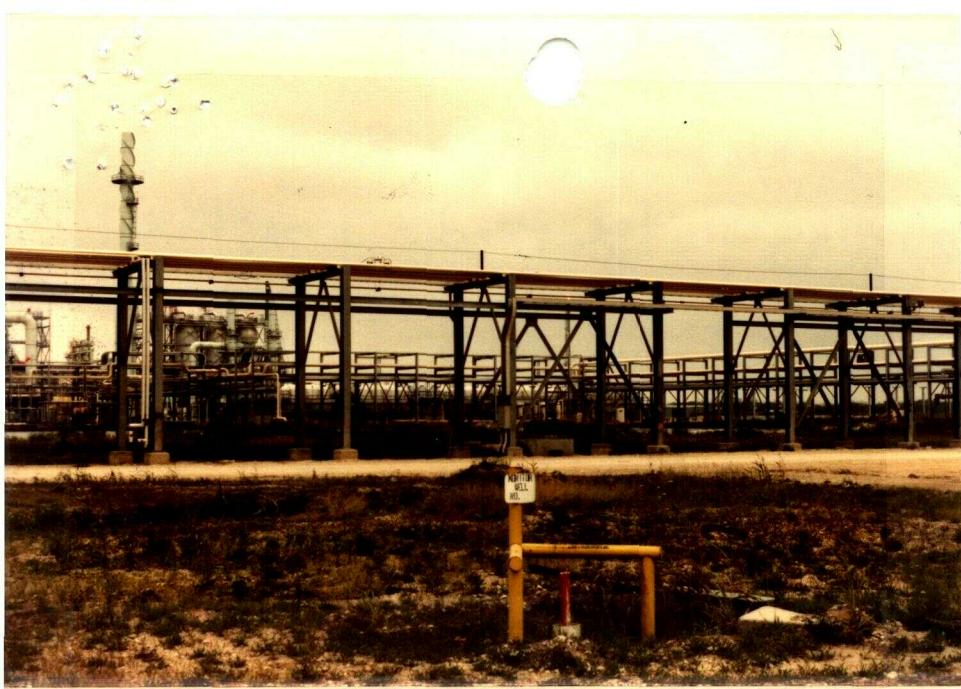












Photographer / Witness

Diane Nichols/Dan Hunter

Date / Time / Direction

4/25/84 / 1100 / NE

Comments 1) Alky waste pond in foreground; 2) Markle Lake Tract 5 center background; 5) FCC Catalyst Disposal Pond to right of picture.



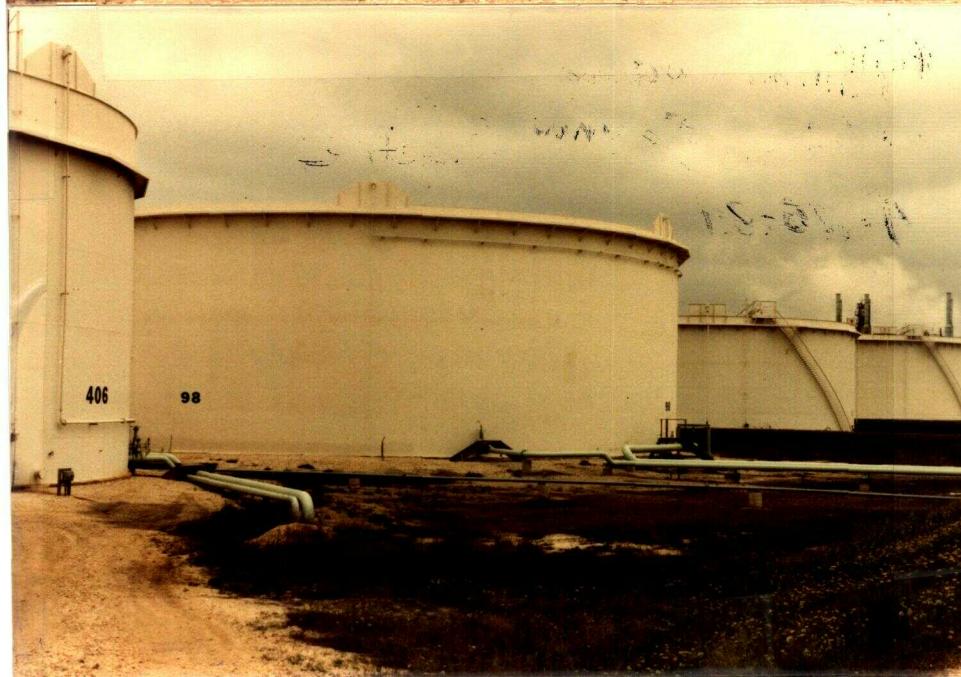
Photographer / Witness

Diane Nichols/Dan Hunter

Date / Time / Direction

4/25/84 / 1110 / SE

Comments Sludge pit #5



Photographer / Witness

Diane Nichols/Dan Hunter

Date / Time / Direction

4/25/84 / 1120 / NE

Comments Oil Pit Tract #3



Photographer / Witness

Diane Nichols/Dan Hunter

Date / Time / Direction

4/25/84 / 1125 / NE

Comments Landfarm Tract #1



Photographer / Witness

Diane Nichols/Dan Hunter

Date / Time / Direction

4/25/84 / 1130 / NW

Comments Oil Pits

Photographer / Witness

Date / Time / Direction

Comments